



DEPARTMENT OF ENVIRONMENTAL PROTECTION
(See Issuing Division below)

**PERMIT***

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. 1217-91-0012.8 (SEA)		Application No.	
Issuance Date FEB 11 2002	Effective Date FEB 11 2002	Expiration Date FEB 11 2007	
Name and Address of Applicant New Jersey Department of Transportation c/o Lad Szalaj 1035 Parkway Avenue, P.O. Box 600 Trenton, New Jersey 08625-0600		Name and Address of Owner	
Name and Address of Operator		Name and Address of Operator	
Location of Activity/Facility (Street Address) Lot _____ Block _____		Issuing Division Land Use Regulation Program	
Statute(s) NJSA 58:16A-50 et seq. NJSA 58:10A-1 NJSA 13:1D-1		Statute(s)	
Type of Permit Stream Encroachment		Maximum Approved Capacity, if applicable	

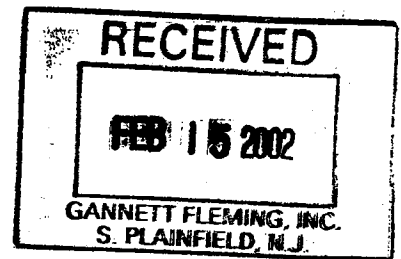
This permit grants permission to:

delineate floodplain limits, replace 6 existing culverts, construct 1 new culvert and 6 stormwater outfall structures along Metlars Brook, to relocate a portion of Metlars Brook, and to construct River Road improvements and associated utilities, all in connection with the extension of Route 18 from the John Lynch Bridge to Hoes Lane, along Metlars Brook, in Piscataway Township, Middlesex County, New Jersey.

Prepared By:

Damian Friebe
Damian Friebe

(See page 5 for Manager's signature.)



Revised Date	Approved by the Department of Environmental Protection		
	Name (Print or Type) _____	Title _____	
	Signature _____	Date _____	

*The word permit means "approval, certification, registration, etc."

(General Conditions are on the Reverse Side)

This permit is subject to the following general conditions:

1. This permit is revocable, or subject to modification or change at any time, pursuant to the applicable regulations, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary.
2. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application.
3. The works, facilities, and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and the said conditions.
4. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey.
5. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership.
6. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.
7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.
8. In cases of conflict, the conditions of this permit shall supersede the plans and/or engineering data.

STREAM ENCROACHMENT PERMIT NO. 1217-91-0012.8
TERMS AND CONDITIONS:

IN ADDITION TO THE GENERAL CONDITIONS PRINTED ON THE BACK OF PAGE ONE OF THIS PERMIT, THE FOLLOWING CONDITIONS SHALL ALSO APPLY:

9. Limit and Extent of Approval

- a. This approval grants permission to the applicant and/or its agents to undertake an activity regulated by the State of New Jersey as described by the text of this permit and as detailed by the herein approved plans. Any construction, grading, removal of vegetation, or other activity at this site within or affecting a regulated flood plain, other than specifically approved by this permit or as detailed by the approved drawings, shall require additional approvals from the Department. The commencement of such regulated activities without the appropriate approvals shall be in violation of State law.
- b. All activities authorized by this permit shall be completed within five years of the issuance date as listed on the first page of this document. At that time, this approval, if not previously revoked, shall automatically become null and void, and none of the activities referenced herein may commence or continue until a new approval has been granted by the Department.

10. Method of Construction

- a. All activities approved by this permit shall be performed under the supervision and direction of a Professional Engineer licensed in the State of New Jersey, and shall be undertaken using the best management practices available. Furthermore, the site shall be subject to inspection at any time by representatives of the Department to ensure the continuous application of the provisions of this permit.
- b. During the course of construction, neither the applicant nor its agents shall cause or permit any unreasonable interference with the free flow of the stream by placing or dumping any materials, equipment, debris or structures within or adjacent to the stream corridor. Upon completion or abandonment of the work, the applicant and/or its agents shall remove and dispose of in a lawful manner all excess materials, equipment and debris from the stream corridor and adjacent lands.
- c. All activities authorized by this permit shall be stabilized in accordance with Standards for Soil Erosion and Sediment Control in New Jersey (obtainable from local Soil Conservation District Offices), or equal engineering specifications, to prevent eroded soil and sediment from entering adjacent waterways and wetlands at any time during and subsequent to construction. The Department reserves the right to order the suspension of any activity if unacceptable levels of erosion or turbidity result from the same. Furthermore, the applicant shall maintain the stream corridor as shown on the approved drawing/s for either such time as is required for the channel and/or banks to become reasonably stabilized, or for one year after completion of the project (as evidenced by a Certificate of Completion), whichever period of time is longer.

11. Responsibilities of Applicant

- a. The granting of this permit does not in any way relieve the applicant and/or its agents from the responsibility for damages caused by any construction or activities hereby approved, nor does the Department accept responsibility for any structural designs.

STREAM ENCROACHMENT PERMIT NO. 1217-91-0012.8

TERMS AND CONDITIONS:

- b. No construction authorized by this permit may begin until the enclosed permit acceptance form has been signed by the applicant and is returned to the Department. By signing and submitting this form, the applicant accepts this permit in its entirety and agrees to adhere to all of its terms and conditions. Please be advised that this permit may be declared null and void should it be determined that adequate measures had not been taken by the applicant and/or its agents to ensure the continuous implementation of these terms and conditions.
 - c. Within ten (10) days of the receipt of this permit by the applicant, this permit shall be recorded in its entirety in the office of the County Clerk or the Registrar of Deeds and Mortgages for each county where this permit is located. Verified notice of this action shall be forwarded to the Department immediately thereafter.
 - d. The enclosed construction notice shall be completed by the applicant or its agent and submitted to the Department at least fourteen (14) days prior to the commencement of the herein approved activities.
 - e. The enclosed completion report shall be completed by a Professional Engineer licensed in the State of New Jersey and submitted to the Department within thirty (30) days after completion of the herein approved activities.
12. All necessary local, Federal, and other State approvals must be obtained by the applicant prior to the commencement of the herein permitted activities.
13. In order to protect the general fishery resources within Metlars Brook and its tributaries, any proposed grading or construction activities within the banks of this or any other stream on site are prohibited between April 1 to June 30 of each year. In addition, any activity within the 100-year flood plain or flood hazard area of this watercourse which could introduce sediment into said stream or which could cause an increase in the natural level of turbidity is also prohibited during this period. The Department reserves the right to suspend all regulated activities on site should it be determined that the applicant has not taken proper precautions to ensure continuous compliance with this condition.
14. The placement of the pipe culvert(s) must be at or just slightly below existing stream bottom inverts as found immediately upstream and downstream of the crossings. Any apron must have a concave bottom to match the pipes and rip-rap must be placed, shaped and/or imbedded into the channel in accordance with the culvert pipe(s) placement to allow for low flow fish passage. The Department reserves the right to suspend all regulated activities on site should it be determined that the applicant has not taken proper precautions to ensure continuous compliance with these conditions.
15. Trees, shrubs, grasses, and other vegetation within 25 feet from the top of all stream banks on site shall not be disturbed for any reason, except where approved by the Department. This condition applies to all streams and waterways on site, regardless of the contributory drainage area.
16. Upon completion of the project, all temporarily disturbed upland areas within or affecting the regulated flood plain must be restored to their original condition using native soils and indigenous

STREAM ENCROACHMENT PERMIT NO. 1217-91-0012.8
TERMS AND CONDITIONS:

vegetation. Said restoration is to be accomplished under the recommendation and discretion of the local soil conservation district having jurisdiction over the project.

17. The applicant must obtain a Freshwater Wetlands permit for the proposed construction within freshwater wetlands, wetland transition areas or State open waters on site, in accordance with N.J.A.C. 7:7A-1.1 et seq. from the Land Use Regulations Program. Specifically, a review of this project indicates that an Individual Permit shall be obtained prior to the construction of the proposed Route 18 extension within these areas. Also, please note that wetlands mitigation will be a condition of the Freshwater Wetlands Individual Permit. The mitigation must be conducted prior to or concurrent with the construction of this project.
18. A portion of the proposed Route 18 extension occurs within the waterfront area as defined in N.J.A.C. 7:7-2.3(a)3. Therefore, a Waterfront Development Permit shall be obtained from the Land Use Regulation Program prior to construction within this area in order to demonstrate compliance with the Rules on Coastal Zone Management N.J.A.C. 7:7E-1 et seq.
19. All excavated material must be disposed of in a lawful manner outside of any regulated flood plain, open water, freshwater wetlands or adjacent transition areas, and in such a way as to not interfere with the positive drainage of the receiving area.
20. The applicant must make specific arrangements to ensure the continuous maintenance and efficient operation of all proposed water quality measures on site. This includes, but is not limited to, the cleaning and inspection of all water quality inlets at least twice a year and after every major storm, and the continuous implementation of appropriate soil conservation practices within any grassed swales, stormwater outfall structures and other similar appurtenances throughout the site in order to limit soil erosion and sediment discharge into adjacent waterways.
21. Any and all precautions must be taken to prevent raw concrete (e.g. footings) from coming in contact with the waters of Metlars Brook. Raw concrete is toxic to aquatic biota.
22. The drawings hereby approved are fifty-one (51) sheets prepared by GANNETT FLEMING, Inc., dated October 24, 2001, last revised December 18, 2001, unless otherwise noted, and entitled:

"NEW JERSEY DEPARTMENT OF TRANSPORTATION STREAM ENCROACHMENT
PERMIT APPLICATION ROUTE 18 EXTENSION SECTION 2A CONTRACT NO.
043960223"

"CULVERT PROFILE", Sheet Nos. 21 to 30 of 101, last revised February 4, 2002,

"METHOD OF CROSS SECTIONS – 20% NET FILL", Sheet Nos. 60 and 61 of 101, unrevised,

"CROSS SECTIONS – 20% NET FILL", Sheet Nos. 62 to 92 of 101, unrevised,

"STREAM CORRIDOR IMPACT PLAN", Sheet No. 93 of 101,

STREAM ENCROACHMENT PERMIT NO. 1217-91-0012.8
TERMS AND CONDITIONS:

"UTILITY DETAIL", Sheet No. 95 of 101, last revised January 7, 2002,

"UTILITY DETAIL", Sheet Nos. 96 to 99 of 101,

"CONSTRUCTION DETAIL", Sheet No. 100 of 101, last revised January 7, 2002, and

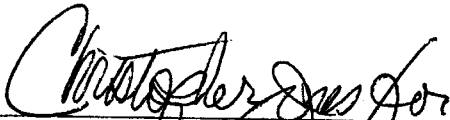
"CONSTRUCTION DETAIL", Sheet No. 101 of 101

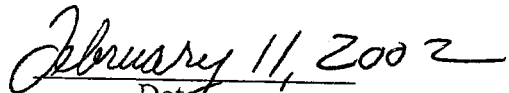
Also approved are nineteen (19) sheets prepared by GANNETT FLEMING, Inc., dated February 4, 2002, unrevised, entitled:

"NEW JERSEY DEPARTMENT OF TRANSPORTATION STREAM ENCROACHMENT
PERMIT APPLICATION ROUTE 18 EXTENSION SECTION 2A CONTRACT NO.
043960223"

"DRAINAGE AND UTILITY PLANS", Sheet Nos. 167, 168, 171, 175, 177, 178, 184, 185,
190, 192, 198, 203, 204, 217, 221, 222, 226 and 230 of 1565, and

"CONSTRUCTION DETAIL", Sheet No. 846 of 1565


Robert B. Piel, Jr., Manager,
Bureau of Inland Regulation


Date